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NOTICE OF ALLOWANCE AND FEE(S) DUE

20787

7590

12/01/2004

SITRICK & SITRICK 8340 N LINCOLN AVENUE SUITE 201 SKOKIE, IL 60077 EXAMINER

PHAM, BRENDA H

ART UNIT PAPER NUMBER

2664

DATE MAILED: 12/01/2004

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/897,555	07/02/2001	Yoram Ofek	SYN 1790	3891

TITLE OF INVENTION: DISTRIBUTED SWITCHING SYSTEM AND METHOD WITH TIME-BASED ROUTING

APPLN. TYPE SMALL ENTITY		ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1370	\$300	\$1670	03/01/2005	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID SSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO

A. Pay TOTAL FEE(S) DUE shown above

B. If applicant claimed SMALL ENTESY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE **Commissioner for Patents** P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or Fax

INSTRUCTIONS: This fo appropriate. All further coindicated unless corrected maintenance fee notification	below or directed otherwise	nsmitting the ISSUI Patent, advance ord in Block 1, by (a)	E FEE and PUBLI ders and notification specifying a new	CATION FEE (if requal of maintenance fees vectorrespondence address;	ired). Blocks 1 through 5 s will be mailed to the current ; and/or (b) indicating a sepa	hould be completed where correspondence address as arate "FEE ADDRESS" for
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	590 12/01/2004			have its own certificate	e of mailing or transmission.	
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SKOKIE, IL 6007	1			addressed to the Mai transmitted to the USP	nis Fee(s) Transmittal is bein with sufficient postage for fir il Stop ISSUE FEE address PTO (703) 746-4000, on the c	above, or being facsimile late indicated below.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	I	TRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/897,555	07/02/2001		Yoram Ofek		SYN 1790	3891
TITLE OF INVENTION: D	ISTRIBUTED SWITCHIN	G SYSTEM AND N		ME-BASED ROUTING	TOTAL FEE(S) DUE	DATE DUE
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PHAM, B	RENDA H	2664		370-372000		
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3. ASSIGNEE NAME AND	RESIDENCE DATA TO I	BE PRINTED ON T	HE PATENT (print	or type)		
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified by 37 CFR 3.11. Completion	elow, no assignee of this form is NOT	lata will appear on a substitute for fili	the patent. If an assigning an assignment.	nee is identified below, the c	locument has been filed for
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4a. The following fee(s) are Issue Fee Publication Fee (No s	e assignee category or category enclosed: mall entity discount permitt f Copies	4b.	Payment of Fee(s): A check in the a Payment by cree	mount of the fee(s) is er lit card. Form PTO-2038 hereby authorized by c		credit any overpayment, to
5. Change in Entity Status	(from status indicated abov	e)			<u> </u>	
a. Applicant claims S	MALL ENTITY status. See	37 CFR 1.27.	D b. Applicant is r	o longer claiming SMA	LL ENTITY status. See 37 C	FR 1.27(g)(2).
The Director of the USPTO NOTE: The Issue Fee and P interest as shown by the reco	is requested to apply the Iss ublication Fee (if required) ords of the United States Pat	ue Fee and Publicat will not be accepted ent and Trademark	ion Fee (if any) or to from anyone other Office.	re-apply any previous than the applicant; a reg	ly paid issue fee to the application istered attorney or agent; or t	ation identified above. he assignee or other party in
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This collection of information application. Confidential submitting the completed applications.	on is required by 37 CFR 1 ity is governed by 35 U.S.C opplication form to the USP1	311. The information 1. 122 and 37 CFR 1 O. Time will vary	n is required to obta .14. This collection depending upon the	in or retain a benefit by is estimated to take 12 individual case. Any confidence in the confidence in	the public which is to file (an minutes to complete, includion mments on the amount of to	d by the USPTO to process) ng gathering, preparing, and me you require to complete

this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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SITRICK & SITRICK				PHAM, BRENDA H		
8340 N LINCOLN AVENUE SUITE 201 SKOKIE, IL 60077				ART UNIT	PAPER NUMBER	
,				2664		
				DATE MAILED: 12/01/2004		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 821 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 821 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
	09/897,555	OFEK ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Brenda Pham	2664	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) on NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to 7/2/2001. 2. ☑ The allowed claim(s) is/are 1-34. 3. ☑ The drawings filed on 02 July 2001 are accepted by the Example 1 ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the:	ars on the cover sheet w (OR REMAINS) CLOSED if or other appropriate comm GHTS. This application is and MPEP 1308. aminer. der 35 U.S.C. § 119(a)-(d)	ith the correspondence address-in this application. If not included nunication will be mailed in due course. THIS subject to withdrawal from issue at the initia	š itive
 Certified copies of the priority documents have Certified copies of the priority documents have 		A1a	
3. Copies of the certified copies of the priority documents in the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	uments have been received	ed in this national stage application from the	i
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	s reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.	
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperso 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the 7. ☐ DEPOSIT OF and/or INFORMATION about the depose 	Amendment / Comment of the beautiful of BIOLOGICAL MAT	or in the Office action of the drawings in the front (not the back) of FR 1.121(d). FRIAL must be submitted. Note the	
attached Examiner's comment regarding REQUIREMENT F Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08	OR THE DEPOSIT OF BI 5. □ Notice of Ir 6. □ Interview S □ Paper No.	OLOGICAL MATERIAL. Informal Patent Application (PTO-152) Summary (PTO-413), /Mail Date SAmendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	· —	Statement of Reasons for Allowance	

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- 2. The application has been amended as follows:
- Claim 4, line 27, the recitation "The system as in claim 1" has bee amended to The system as in claim 3--.
- 3. Authorization for this examiner's amendment was given in a telephone interview with Mr. David H. Sitrick on November 24, 2004.

REASONS FOR ALLOWANCE

- 4. Claims 1-34 allowed over prior art.
- 5. The following is an examiner's statement of reasons for allowance: the prior art made of record does not teach for fairly suggest in combination a system and method for transferring a plurality of scheduled data packets from at least one source to at least one destination, wherein the transfer of the scheduled data packets are provided during respective ones of a plurality of predefined time intervals, wherein each of the predefined time intervals is comprised of a plurality of predefined time frames, the system comprising: a virtual pipe comprising at least two switches interconnected in a path via communications links, each of said switches having plurality of input ports and plurality of output ports; a common timing reference signal coupled to each of the

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switch; wherein for each of the input ports of each switch there is an associated a predefined position within a first predefined time frame within which a scheduled data packet is transferred into the respective input port and an associated separate predefined position within a second predefined time frame within which the respective scheduled data packet is transferred from the output port out of the respective switch.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(US 5,455,701) Eng et al disclose a packet switching apparatus using pipeline controller.

(US 5,251,209) Jurkevich et al disclose a system and method of transmitting information between a multiplicity of subscribers as components of traffic in an integrated services network. The information traffic consists of a multiplicity of media types associated with respective ones of the different subscribers including voice, video and data traffic component types.

(US 5,742,606) Iliadis et al disclose in a communication switch with input and output queue, which handles different priority classes of traffic (e.g. video, and audio

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applications with a high priority, and file transfers and e-mail as low priority traffic), the invention provides a timed shut-off mechanism at each input queue.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (571) 272-3135. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached on (571) 272-3134.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

November 23, 2004 Brenda Pham

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				Appl	ication/Control No.	Applicant(s)/ Reexaminati	Patent Under	
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				Bren	da Pham	2664	Page 1 of 1	
_				U.S. PATENT	DOCUMENTS			
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY		Name		Classification	
	А	US-5,251,209	10-1993	Jurkevich et a	ıl.		370/468	
	В	US-5,742,606	04-1998	Iliadis et al.			370/413	
	С	US-5,455,701	10-1995	Eng et al.			398/54	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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